Index of Claims

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| Ap | plic | atio | n/Co | ntrol | No. |
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10/617,730

Examiner

Tan Le

Applicant(s)/Patent under Reexamination

MATSUMOTO, TADASHI

Art Unit

3632

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
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Restricted

| N | Non-Elected  |
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|   | Interference |

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| Cla          | im                                     |              |          |          | [  | Date         |          |          |          | _        |
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| Final        | ginal                                  |              | /        | VoT      |  |              |          |          |          |          |
|              | S C Original                           |              | "        | 11/9     | /  |              |          |          |          |          |
| 1 2 3        | (1)                                    | Щ            |          | Н        |  |              |          |          |          |          |
| V            | 2                                      |              |          | Ш        | L  |              |          |          |          | $\Box$   |
|              | 3                                      |              |          | Ш        |  |              |          |          |          | $\Box$   |
| И            | a                                      |              |          | ₽        |  |              |          |          |          | $\Box$   |
|              | 5                                      |              |          |          |  |              |          |          |          |          |
| _ '          | 6                                      |              |          |          |  |              |          |          |          |          |
|              | I. I                                   |              |          |          |  |              |          |          |          |          |
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|              | 12                                     |              |          |          |  |              |          |          | L        |          |
|              | 13                                     |              |          | L        |  |              |          |          |          |          |
|              | 14                                     |              |          |          |  |              |          |          |          |          |
|              | 15                                     |              |          |          |  |              |          |          |          |          |
|              | 11<br>12<br>13<br>14<br>15<br>16<br>17 |              |          | <u> </u> | L  |              |          |          |          | Ш        |
|              | 17                                     |              |          |          |  |              |          |          |          | Ш        |
|              | 18<br>19<br>20                         |              |          | L        | L  | L.           |          |          |          |          |
|              | 19                                     |              |          |          | _  |              |          |          |          | Ц        |
|              | 20                                     | <u> </u>     |          |          |  |              |          |          |          | Ц        |
|              | 21                                     | _            | _        |          |  | L_           | Ш        | Ш        |          | Ц        |
|              | 22                                     | <u> </u>     |          |          |  | ļ            |          |          |          | Ш        |
|              | 23                                     | <u> </u>     |          | _        | _  | <u> </u>     |          | _        | _        | Н        |
|              | 21<br>22<br>23<br>24<br>25             | <del> </del> |          |          | -  |              | -        | L        | $\vdash$ | Н        |
|              | 25                                     | H            |          | -        |  | $\vdash$     |          |          | H        |          |
| -            | 26<br>27<br>28                         | $\vdash$     |          |          | -  | $\vdash$     | $\vdash$ | -        | -        | $\dashv$ |
|              | 28                                     |              |          | -        |  | H            | -        |          | -        | Н        |
|              | 29                                     | Н            | _        |          |  |              |          | _        | $\vdash$ | $\vdash$ |
| <u> </u>     | 30                                     | 一            |          |          |  |              |          |          |          | П        |
|              | 29<br>30<br>31<br>32                   | Т            |          | <u> </u> | <del>                                     </del> | Г            |          | Т        | Т        | Н        |
|              | 32                                     | Т            |          |          |  |              | П        | П        | П        | П        |
|              | 33                                     |              |          |          |  |              |          |          |          | П        |
|              | 34                                     |              |          |          | Г  |              |          |          |          | П        |
|              | 34<br>35                               |              |          |          |  |              |          |          |          |          |
|              | 36                                     |              |          |          | L  |              |          |          |          |          |
|              | 37                                     |              |          |          |  |              |          |          |          |          |
|              | 38                                     |              |          |          |  |              |          |          |          |          |
|              | 39                                     |              | L        | L        | $\Box$   |              |          |          |          | $\Box$   |
|              | 40                                     |              | Ĺ        |          |  |              |          |          |          |          |
| <u> </u>     | 41                                     | _            | L        |          | _  | L            | L_       | <u> </u> |          |          |
| <u> </u>     | 42                                     | _            | <u> </u> | _        | _  | <u> </u>     | <u> </u> | L        | <u>L</u> | Щ        |
|              | 43                                     | <u> </u>     | <b> </b> | <u> </u> | <u> </u>   | $\vdash$     | <u> </u> | <u> </u> | <u> </u> | <b> </b> |
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|              | 45                                     | <b> </b>     | -        | <u> </u> | _  | <del> </del> | <u> </u> | <u> </u> | $\vdash$ | $\vdash$ |
| <u> </u>     | 46                                     | <del> </del> | -        | <u> </u> | -  | $\vdash$     | <u> </u> | <u> </u> | <u> </u> | Н        |
| <u> </u>     | 47<br>48                               | ├-           | <u> </u> | -        | <del> </del>                                     | ⊢            | $\vdash$ | $\vdash$ | $\vdash$ | Н        |
| <del> </del> | 48                                     | ┝            | ├        | ⊢        |  | -            | ├        | ├        | ├        | Н        |
|              | 50                                     | <del> </del> | $\vdash$ | ╢        | $\vdash$   | $\vdash$     | ├        | <u> </u> | $\vdash$ | Н        |
| 1            | ı JU                                   | 1            | ı        | ı        | 1  | i i          |          | 1        | 1        | ıl       |

| Cla              | aim        |  |              |          | [            | Date   | •  |          |          |              |     | Cla   | im       | Date   |  |          |          |  |              |  |              |                 |
|------------------|------------|--|--------------|----------|--------------|--|--|----------|----------|--------------|-----|-------|----------|--|--|----------|----------|--|--------------|--|--------------|-----------------|
| Final            | ) Original |  | 1 110        | 6/13/vz  | //           |  |  |          |          |              |     | Final | Original |  |  |          |          |  |              |  |              |                 |
| 12               | 0          |  |              | И        |              |  |  |          |          |              |     |       | 51<br>52 |  |  |          |          |  |              |  |              |                 |
| $\overline{\nu}$ | 2          |  |              | 11       |              |  |  |          |          |              |     |       | 52       |  |  |          |          |  |              |  |              |                 |
| 3                | 3          |  |              | н        |              |  |  |          |          |              |     |       | 53       |  |  |          |          |  |              |  |              |                 |
| 4_               | a          |  |              | 1        |              | L  |  |          |          |              |     |       | 54       |  |  |          |          |  |              |  |              | Ш               |
| L                | 5          |  |              | Ш        |              |  |  |          |          | _            |     |       | 55       |  |  |          |          |  |              |  |              | Ш               |
|                  | 6          |  |              |          |              |  |  |          |          |              |     |       | 56       |  |  |          |          |  |              |  |              | Ш               |
|                  |            |  |              |          |              |  |  |          |          |              |     |       | 57       |  |  |          |          |  |              |  | oxdot        | Ш               |
|                  | 8          |  | <u> </u>     | _        |              | _  |  |          |          | <u> </u>     |     |       | 58       |  |  |          |          |  |              | oxdot  |              | Ш               |
|                  | 9          | Ш  |              | ļ        | _            | _  |  |          |          | _            |     |       | 59       |  |  |          |          |  |              | _  |              | Н               |
| _                | 10         |  |              | <u> </u> |              | <u> </u>   |  |          |          | _            |     |       | 60       |  |  |          |          |  |              |  | _            | Н               |
|                  | 11         |  |              | ļ        |              | <u>'</u>   |  |          |          | H            |     |       | 61       |  | _  |          |          | _  |              |  |              | Н               |
|                  | 12         |  | _            | $\vdash$ |              | <u> </u>   |  |          |          |              |     |       | 62       | Ш  | _  | _        |          |  |              | _  |              | Н               |
|                  | 13         |  | <u> </u>     | <u> </u> |              | <del> </del>                                     | -  | _        |          | H            |     |       | 63       |  |  |          |          |  | _            |  | _            | Н               |
|                  | 14         | Н  |              | -        | _            | -  | $\vdash$   |          | -        | $\vdash$     |     |       | 64       |  |  |          |          |  |              | $\vdash$   |              | $\vdash$        |
|                  | 15<br>16   | Н  | <u> </u>     | $\vdash$ | <u> </u>     | -  | -  | H        | _        | $\vdash$     |     |       | 65<br>66 | $\vdash$   | $\vdash$   | H        | _        | H  | <u> </u>     |  |              | H               |
| _                | 17         |  | _            | -        | -            | ┢  | $\vdash$   |          | -        | -            |     |       | 67       | -  |  |          |          | -  |              | $\vdash$   | -            | $\vdash$        |
|                  | 18         |  | _            | -        | -            |  | $\vdash$   | _        | -        | -            |     |       | 68       | -  |  | -        |          | -  | -            | -  |              | Н               |
|                  | 19         | H  | _            | $\vdash$ |              |  | -  |          | -        | -            |     |       | 69       |  | -  |          |          |  |              | -  | -            | $\vdash$        |
|                  | 20         |  |              |          |              |  | $\vdash$   | Н        | -        | $\vdash$     | 1   |       | 70       | $\vdash$   | $\vdash$   | _        |          |  | $\vdash$     | $\vdash$   | $\vdash$     | Н               |
|                  | 21         |  |              |          |              | ┢  | -  |          | $\vdash$ | $\vdash$     | H   |       | 71       | $\vdash$   |  | _        |          |  | _            | H  | H            | Н               |
|                  | 22         | _  | _            |          |              | ┢╌   | $\vdash$   |          |          | $\vdash$     |     |       | 72       |  |  |          |          |  | _            |  | $\vdash$     | П               |
|                  | 23         |  |              |          |              | -  |  |          |          |              | i   |       | 73       | _  |  | _        |          |  |              | $\vdash$   | _            | П               |
|                  | 24         | _  |              |          |              |  | <del>                                     </del> |          | _        |              | i   |       | 74       |  |  | Т        |          |  |              |  |              |                 |
|                  | 25         |  |              |          |              | _  |  |          |          | П            | i   |       | 75       |  |  |          |          |  |              |  |              | П               |
|                  | 26         |  |              |          |              |  |  |          |          |              |     |       | 76       |  |  |          |          |  |              | Г  |              | П               |
|                  | 27         |  |              |          |              |  | Г  |          |          |              |     |       | 77       |  |  |          |          |  |              |  |              | П               |
|                  | 28         |  |              |          |              |  |  |          |          |              |     |       | 78       |  |  |          |          |  |              |  |              |                 |
|                  | 29         |  |              |          |              |  |  |          |          |              |     |       | 79       |  |  |          |          |  |              |  |              |                 |
|                  | 30         |  |              |          |              |  |  |          |          |              |     |       | 80       |  |  |          |          |  |              |  |              |                 |
|                  | 31         |  |              |          |              |  |  |          |          | <u> </u>     |     |       | 81       |  |  |          |          |  | _            |  | L_           | Ш               |
|                  | 32         |  |              | L        |              |  |  |          |          |              |     |       | 82       |  | L  |          |          |  |              |  | L            | Ш               |
|                  | 33         |  |              |          | L            |  | L  |          |          |              |     |       | 83       | $oxed{oxed}$                                     | $ldsymbol{ld}}}}}}$ |          |          |  | L            | L  | L            |                 |
|                  | 34         |  | _            |          |              | _  | _  | _        | _        |              |     |       | 84       | <u> </u>   |  |          |          |  |              | _  |              | Ш               |
|                  | 35         | _  | L            | <u> </u> |              | _  | <u> </u>   | L        |          | Ш            |     |       | 85       | $\vdash$   | <u> </u>   | <u> </u> | ļ        | <u> </u>   | <u> </u>     | $\vdash$   | $\vdash$     | Ш               |
|                  | 36         |  | L.           | <u> </u> |              | <u> </u>   | <u> </u>   | <u> </u> | L        | <u> </u>     |     |       | 86       | $\vdash$   | $\vdash$   | <u> </u> | <u> </u> | ļ  | <u> </u>     | <u> </u>   | <u> </u>     | Н               |
|                  | 37         | $\vdash$   | $\vdash$     |          | <u> </u>     | <u> </u>   | _  | <u> </u> | _        | ├-           |     |       | 87       | $\vdash$   | <u> </u>   | <u> </u> | <u> </u> | $\vdash$   | ļ            | <u> </u>   |              |                 |
|                  | 38         | _  | L            | ├—       | <u> </u>     |  | _  | _        | _        | -            |     |       | 88       | L  | <u> </u>   |          | _        | <u> </u>   | <u> </u>     | <u> </u>   | ├_           | $\vdash \vdash$ |
|                  | 39         | -  | ļ            | ├        | <u> </u>     | -  | -  |          | -        | <u> </u>     |     |       | 89       | $\vdash$   | $\vdash$   | _        | _        |  | <u> </u>     | $\vdash$   | $\vdash$     | $\vdash$        |
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|                  |            | $\vdash$   | <u> </u>     | -        | <del> </del> | ⊢  | -  |          | -        | -            |     |       | 91       | $\vdash$   | $\vdash$   | <u> </u> | $\vdash$ | <del>                                     </del> | <del> </del> | ├—   | $\vdash$     | $\vdash\vdash$  |
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|                  | 45         | $\vdash$   | ⊢            | $\vdash$ | -            | <del>                                     </del> | ┢  | -        | $\vdash$ | $\vdash$     |     |       | 95       | -  | -  | $\vdash$ |          | ├─   |              | ┢  | -            | $\vdash$        |
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|                  | 49         | $\vdash$   | ┝            | ├        | -            | -  | ├  | -        | ┝        | ╁            |     |       | 99       | ╁  | ┢  | $\vdash$ | -        | $\vdash$   | ⊢            | $\vdash$   |              | Н               |
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| Cla   | Date              |          |              |  |          |  |  |                                     |                                     |                     |
|-------|-------------------|----------|--------------|--|----------|--|--|-------------------------------------|-------------------------------------|---------------------|
| Final | Original          |          |              |  |          |  |  |                                     |                                     |                     |
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|       | 104<br>105        |          |              |  |          | _  |  | $oxed{oxed}$                        |                                     | Щ                   |
|       | 105               |          |              |  |          |  |  | <u> </u>                            |                                     | Щ                   |
|       | 106               |          |              |  |          |  |  |                                     |                                     | Ш                   |
|       | 107               |          |              | _  |          |  | _  |                                     |                                     | Ш                   |
|       | 108               | Ш        | $oxed{}$     |  |          |  |  |                                     |                                     | Щ                   |
|       | 109               |          |              | Ш  |          | _  |  |                                     |                                     | Ш                   |
|       | 110               |          | _            |  |          | <u>_</u>                                     | Ш  |                                     |                                     | Ш                   |
|       | 111               |          | L_           |  |          |  |  |                                     |                                     |                     |
|       | 112<br>113        |          | <u> </u>     | L_   |          | L  | _  |                                     | $\Box$                              | Ш                   |
|       | 113               |          |              | Ш  |          | <u> </u>                                     | L  |                                     | $\Box$                              | Щ                   |
|       | 114               | L_       |              | $ldsymbol{ld}}}}}}$ |          | <u> </u>                                     | 匚  |                                     | <u> </u>                            | Ш                   |
|       | 115               | L_       |              | Ш  |          | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  | _                                   |                                     | Ш                   |
|       | 116               |          |              | $oxed{oxed}$   | L.       |  |  |                                     |                                     |                     |
|       | 117               |          |              |  | L        | _  |  | L_                                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш                   |
|       | 118               |          |              |  | Ŀ        |  | L  |                                     |                                     |                     |
|       | 119               |          |              |  |          | L  |  |                                     |                                     |                     |
|       | 120               |          |              |  |          |  |  |                                     |                                     |                     |
|       | 120<br>121        |          |              |  |          |  |  |                                     |                                     | Ш                   |
|       | 122               |          |              |  |          |  |  | Ш.                                  |                                     | Ш                   |
|       | 123               | _        |              | L  |          |  |  |                                     |                                     | Ш                   |
|       | 123<br>124<br>125 |          | _            |  |          |  | L  |                                     | _                                   | Ш                   |
|       | 125               | <u> </u> | _            |  |          | L  |  |                                     |                                     | Ш                   |
|       | 126<br>127        | _        | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  |          | _  | _  |                                     | L                                   |                     |
|       | 127               | _        | L            | L  |          |  | _  | _                                   |                                     | Ш                   |
|       | 128<br>129        | L_       | _            | _  |          | <u> </u>                                     | <u>_</u>   | _                                   | <u> </u>                            | Ш                   |
|       | 129               | L        | L            | <u> </u>   |          |  |  |                                     | <u> </u>                            | L                   |
|       | 130               |          |              | <u> </u>   |          |  |  |                                     | L                                   |                     |
|       | 131               | L        |              | <u> </u>   |          |  | $ldsymbol{ld}}}}}}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L                                   | Ш                   |
|       | 132<br>133        | <u> </u> | _            | _  |          | Ш  |  |                                     | _                                   | Ш                   |
|       | 133               | _        |              | _  |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$          | ┕  | _                                   | _                                   | Ш                   |
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|       | 140               | $\vdash$ | $\vdash$     | $\vdash$   |          | ├  | ├-   | <u> </u>                            | $\vdash$                            | Н                   |
|       | 141               | $\vdash$ | ⊢            | $\vdash$   | -        | -  | $\vdash$   | <u> </u>                            | <u> </u>                            | Н                   |
|       | 142               | -        | ├            | <del> </del>   | $\vdash$ | $\vdash$                                     | $\vdash$   | ├                                   | ⊢-                                  | Н                   |
|       | 143               | <u> </u> | ⊢            | $\vdash$   | $\vdash$ | $\vdash$                                     | $\vdash$   | $\vdash$                            | ⊢-                                  | dash                |
|       | 144               | ⊢        | ⊢            | ⊢  | $\vdash$ | ⊢  | ├  | ├—                                  |                                     | $\vdash \vdash$     |
|       | 145               | $\vdash$ |              | <u> </u>   | $\vdash$ | ⊢  | $\vdash$   | ⊢                                   | <del> </del>                        | Н                   |
|       | 146               | -        | <del> </del> | $\vdash$   | ⊢        | $\vdash$                                     | $\vdash$   | $\vdash$                            | <del> </del>                        | $\vdash \vdash$     |
|       | 147               | -        | <del> </del> | <del> </del>   | $\vdash$ | $\vdash$                                     | $\vdash$   | $\vdash$                            | ⊢-                                  | $\vdash \vdash$     |
|       | 148<br>149        | ├        |              |  |          | <del> </del>                                 | ├-   | ⊢                                   |                                     | ╁╌┤                 |
|       | 150               | ├-       | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$                                     | $\vdash$   | $\vdash$                            | $\vdash$                            | $\vdash\vdash$      |
| L     | 150               | L        | L_           | Ц_   | l        |  |  | <u> </u>                            | L_                                  | Ш                   |
|       |                   |          |              |  |          |  |  |                                     |                                     |                     |